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**IN THE UNITED STATES ELECTED/DESIGNATED OFFICE  
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY**

5    Applicant(s):            Edgar Bolin et al.  
     Intl. Appl. No.:        PCT/DE03/00830  
     Intl. Filing Date:      March 14, 2003  
     Title:                   ADAPTIVE MODULATION AND OTHER EXTENSIONS  
10                              OF THE PHYSICAL LAYER IN MULTIPLE ACCESS  
                                 SYSTEMS  
     Docket No.:            0112740-973

     Mail Stop PCT  
     Commissioner for Patents  
15    P.O. Box 1450  
     Alexandria, VA 22313-1450

**PRELIMINARY AMENDMENT**

20    Sir:

Please amend the above-identified International Application before entry  
into the National stage before the U.S. Patent and Trademark Office under 35  
U.S.C. §371 as follows:

25            **Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which  
begins on page 29 of this paper.

**Remarks** begin on page 33 of this paper.